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#### Abstract

A system for predicting blood constituent values in a patient includes a remote wireless non-invasive spectral device, the remote wireless non-invasive spectral device generating a spectral scan of a body part of the patient. Also included are a remote invasive device and a central processing device. The remote invasive device generates a constituent value for the patient, while the central processing device predicts a blood constituent value for the patient based upon the spectral scan and the constituent value.